

DRAFT AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/067,935

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A printer comprising:

a paper holder provided with a first guide portion and a second guide portion for positioning a roll of paper,

the first guide portion being disposed at a position where the roll of paper is to be retained as the roll of paper is reduced in diameter when the printer is in a first installation state,

the second guide portion being disposed at a position where the roll of paper is to be retained as the roll of paper is reduced in diameter when the printer is in a second installation state; and

paper near end detecting means configured to detect that the amount of remaining paper is below a predetermined amount, the paper near end detecting means comprising a first detector and a second detector disposed to be engageable with an end face of the roll of paper, and a sensor which senses operations of the first detector and the second detector;

wherein the first detector is a detector for the first installation state disposed ~~closer to~~ at a position where the first detector is disengaged from the end face of the roll of paper when the roll of paper is retained into the first guide portion, and the second detector is a detector for the second installation state, disposed ~~closer to~~ at a position where the second detector is disengaged

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from the end face of the roll of paper when the roll of paper is retained into the second guide
portion, and

the first detector and the second detector are disposed within an area that is defined by three surfaces, the three surfaces being a hypothetical plane formed by a locus of a movement of the center axis of the roll of paper as the roll of paper is reduced in diameter and retained by the first guide portion, a hypothetical plane formed by a locus of a movement of the center axis of the roll of paper as the roll of paper is reduced in diameter and retained by the second guide portion, and an inner surface of the paper holder defined between the first guide portion and the second guide portion.

2. (previously presented): The printer as claimed in claim 1, wherein the first detector and the second detector are integrally connected by a connecting member.

3. (previously presented): The printer as claimed in claim 1, wherein the first detector and the second detector are movable to change the predetermined amount of paper.

4. (previously presented): The printer as claimed in claim 2, wherein the first detector and the second detector are movable to change the predetermined amount of paper.

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5. (previously presented): The printer as claimed in claim 1,

wherein a gap is provided in the paper near end detecting means through which paper drawn from the roll is conveyed after one of the detectors gets disengaged with the end face of the roll of paper.

Claim 6 (canceled).